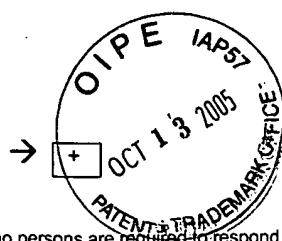


Please type a plus sign (+) inside this box



10/11/05

Under the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/045,937
		Filing Date	10/19/2001
		First Named Inventor	David J. Beebe et al.
		Group Art Unit	1743
		Examiner Name	Lyle Alexander
Total Number of Pages in This Submission		Attorney Docket Number	282.020

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> Return Postcard
Remarks		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Peter C. Stomma, Reg. No. 36,020 Boyle Fredrickson Newholm Stein & Gratz S.C. 250 E. Wisconsin Avenue, Suite 1030 Milwaukee, WI 53202
Signature	
Date	10/11/05

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop-Box Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:

10/11/05

Type or printed name	Christine Kierzek
Signature	
Date	10/11/05

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231  
{00019681.DOC /}



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of:  
DAVID J. BEEBE ET AL.  
Serial No.: 10/045,937  
Filed: October 19, 2001  
Examiner: Lyle Alexander  
Art Unit: 1743  
METHOD AND APPARATUS FOR  
MONITORING THE ENVIRONMENT  
WITHIN A MICROFLUIDIC DEVICE

)  
)  
)  
)  
)  
)  
)  
)

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Box Amendment- Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the 11<sup>th</sup> day of October, 2005.

Christine Kierzek

Christine Kierzek 10/11/05  
Signature Date

**RESPONSE TO OFFICE ACTION**

Sir:

In response to the Office Action dated July 15, 2005, please amend the above-identified application as follows:

- **Amendments to the Claims** is reflected on page 2 of this paper.
- **Remarks** begin on page 7 of this paper.